

Set Items Description  
S1 162 AU=(ABDELAZIZ, M? OR ABDELAZIZ M? OR TRAVERSAT, B? OR TRAV-  
ERSAT B? OR SLAUGHTER, G? OR SLAUGHTER G? OR SAULPAUGH, T? OR  
SAULPAUGH T?)  
S2 150 S1 AND IC=G06F?  
S3 23 S2 AND IC=G06F-015?  
File 347:JAPIO Nov 1976-2004/Feb(Updated 040607)  
(c) 2004 JPO & JAPIO  
File 348:EUROPEAN PATENTS 1978-2004/Jun W02  
(c) 2004 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20040617,UT=20040610  
(c) 2004 WIPO/Univentio  
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200439  
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*Inventor*

Set	Items	Description
S1	162	AU=(ABDELAZIZ, M? OR ABDELAZIZ M? OR TRAVERSAT, B? OR TRAVERSAT B? OR SLAUGHTER, G? OR SLAUGHTER G? OR SAULPAUGH, T? OR SAULPAUGH T?)
S2	150	S1 AND IC=G06F?
S3	23	S2 AND IC=G06F-015?
S4	36	AU=ABDELAZIZ M? AND AU=TRAVERSAT B? AND AU=SLAUGHTER G? AND AU=SAULPAUGH T?
S5	36	S4 AND IC=G06F?

File 347: JAPIO Nov 1976-2004/Feb (Updated 040607)  
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File 348: EUROPEAN PATENTS 1978-2004/Jun W02  
(c) 2004 European Patent Office

File 349: PCT FULLTEXT 1979-2002/UB=20040617, UT=20040610  
(c) 2004 WIPO/Univentio

File 350: Derwent WPIX 1963-2004/UD, UM & UP=200439  
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Set	Items	Description
S1	698	AU=(ABDELAZIZ, M? OR ABDELAZIZ M? OR TRAVERSAT, B? OR TRAVERSAT B? OR SLAUGHTER, G? OR SLAUGHTER G? OR SAULPAUGH, T? OR SAULPAUGH T?)
S2	0	S1 AND HEAP
S3	0	S1 AND (DATABASE OR DATA()BASE)()STORE?
File	2:INSPEC 1969-2004/Jun W2	(c) 2004 Institution of Electrical Engineers
File	6:NTIS 1964-2004/Jun W3	(c) 2004 NTIS, Intl Cpyrght All Rights Res
File	8:EI Compendex(R) 1970-2004/Jun W2	(c) 2004 Elsevier Eng. Info. Inc.
File	34:SciSearch(R) Cited Ref Sci 1990-2004/Jun W3	(c) 2004 Inst for Sci Info
File	35:Dissertation Abs Online 1861-2004/May	(c) 2004 ProQuest Info&Learning
File	65:Inside Conferences 1993-2004/Jun W3	(c) 2004 BLDSC all rts. reserv.
File	92:IHS Intl.Stds.& Specs. 1999/Nov	(c) 1999 Information Handling Services
File	94:JICST-EPlus 1985-2004/May W5	(c)2004 Japan Science and Tech Corp(JST)
File	95:TEME-Technology & Management 1989-2004/Jun W1	(c) 2004 FIZ TECHNIK
File	99:Wilson Appl. Sci & Tech Abs 1983-2004/May	(c) 2004 The HW Wilson Co.
File	103:Energy SciTec 1974-2004/Jun B1	(c) 2004 Contains copyrighted material
File	144:Pascal 1973-2004/Jun W2	(c) 2004 INIST/CNRS
File	202:Info. Sci. & Tech. Abs. 1966-2004/May 14	(c) 2004 EBSCO Publishing
File	233:Internet & Personal Comp. Abs. 1981-2003/Sep	(c) 2003 EBSCO Pub.
File	239:Mathsci 1940-2004/Aug	(c) 2004 American Mathematical Society
File	275:Gale Group Computer DB(TM) 1983-2004/Jun 24	(c) 2004 The Gale Group
File	434:SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 1998 Inst for Sci Info
File	647:CMP Computer Fulltext 1988-2004/Jun W2	(c) 2004 CMP Media, LLC
File	674:Computer News Fulltext 1989-2004/Jun W2	(c) 2004 IDG Communications
File	696:DIALOG Telecom. Newsletters 1995-2004/Jun 24	(c) 2004 The Dialog Corp.

Set	Items	Description
S1	1391	VIRTUAL()MACHINE? OR JAVA (3N) (INTERPRETER? OR EVALUATOR? - OR SHELL? OR TRANSLATOR? OR CONVERT? OR ENVIRONMENT OR (RUN()- TIME OR RUNTIME) (ENGINE?) OR COMMON()INTERMEDIATE()LANGUAGE? OR MSIL OR VMWARE OR PYTHON
S2	1815520	HEAP OR TEMPORARY()STORAGE OR GARBAGE()COLLECTION OR STORA- GE OR BUFFER? OR CACHE? OR MEMORY OR REPOSITORY? OR UMA
S3	3464240	TRANSACTION? OR ACTIVIT? OR EXECUTION? OR MESSAGE? OR DATA OR INFORMATION OR PACKET? OR (E OR ELECTRONIC)()MAIL OR EMAIL OR TEXT
S4	259	ATOMIC (2N) S3
S5	2	VIRTUAL()HEAP
S6	1	STORE()HEAP
S7	24	MEMORY()HEAP
S8	522	S1 AND S2 AND S3
S9	2	S1 AND S4
S10	2	S1 AND S5
S11	1	S1 AND S6
S12	5	S1 AND S7
S13	126	S1 (3N) S2
S14	100	S13 AND S3
S15	17	S13 (3N) S3
S16	24	S9 OR S10 OR S11 OR S12 OR S15
S17	24	S16 AND IC=G06F?

File 347:JAPIO Nov 1976-2004/Feb(Updated 040607)

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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200439

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*Patents*

Set	Items	Description
S1	1035	VIRTUAL()MACHINE? OR JAVA (3N) (INTERPRETER? OR EVALUATOR? - OR SHELL? OR TRANSLATOR? OR CONVERT? OR ENVIRONMENT OR (RUN()- TIME OR RUNTIME) ()ENGINE?) OR COMMON()INTERMEDIATE()LANGUAGE? OR MSIL OR VMWARE OR PYTHON
S2	9986	HEAP OR TEMPORARY()STORAGE OR GARBAGE()COLLECTION OR STORA- GE OR BUFFER? OR CACHE? OR MEMORY OR REPOSITORY? OR UMA
S3	64299	TRANSACTION? OR ACTIVIT? OR EXECUTION? OR MESSAGE? OR DATA OR INFORMATION OR PACKET? OR (E OR ELECTRONIC) ()MAIL OR EMAIL OR TEXT
S4	11	ATOMIC (2N) S3
S5	0	VIRTUAL()HEAP
S6	0	STORE()HEAP
S7	1	MEMORY()HEAP
S8	78	S1 AND S2 AND S3
S9	0	S1 AND S4
S10	0	S1 AND S5
S11	0	S1 AND S6
S12	0	S1 AND S7
S13	78	S8 AND S3
S14	0	S13 AND S4
S15	9	S1 (3N) S2
S16	3	S15 AND S3
S17	3	S16 NOT PY>2000
S18	3	S17 NOT PY>20000602

*Software*

File 256:SoftBase:Reviews,Companies&Prods. 82-2004/May  
(c)2004 Info.Sources Inc

Set	Items	Description
S1	14603	VIRTUAL()MACHINE? OR JAVA (3N) (INTERPRETER? OR EVALUATOR? - OR SHELL? OR TRANSLATOR? OR CONVERT? OR ENVIRONMENT OR (RUN()- TIME OR RUNTIME) (ENGINE?) OR COMMON()INTERMEDIATE()LANGUAGE? OR MSIL OR VMWARE OR PYTHON
S2	948850	HEAP OR TEMPORARY()STORAGE OR GARBAGE()COLLECTION OR STORA- GE OR BUFFER? OR CACHE? OR MEMORY OR REPOSITORY? OR UMA
S3	6654152	TRANSACTION? OR ACTIVIT? OR EXECUTION? OR MESSAGE? OR DATA OR INFORMATION OR PACKET? OR (E OR ELECTRONIC) (MAIL OR EMAIL OR TEXT
S4	5997	ATOMIC (2N) S3
S5	3	VIRTUAL()HEAP
S6	0	STORE()HEAP
S7	4	MEMORY()HEAP
S8	1765	S1 AND S2 AND S3
S9	68	S1 AND S2 AND TRANSACTION?
S10	2	S1 AND S2 AND S4
S11	0	S1 AND S2 AND S5
S12	0	S1 AND S2 AND S7
S13	0	S9 AND S4
S14	10	S1 AND S4
S15	0	S1 AND S5
S16	0	S1 AND S7
S17	2	S8 AND S4
S18	0	S8 AND S5
S19	0	S8 AND S7
S20	85	S5 OR S7 OR S9 OR S10 OR S14 OR S17
S21	67	S20 NOT PY>2000
S22	67	S21 NOT PD>20000602
S23	56	RD (unique items)
File	8: Ei	Compendex(R) 1970-2004/Jun W2 (c) 2004 Elsevier Eng. Info. Inc.
File	35: Dissertation	Abs Online 1861-2004/May (c) 2004 ProQuest Info&Learning
File	202: Info. Sci. & Tech.	Abs. 1966-2004/May 14 (c) 2004 EBSCO Publishing
File	65: Inside	Conferences 1993-2004/Jun W3 (c) 2004 BLDSC all rts. reserv.
File	2: INSPEC	1969-2004/Jun W2 (c) 2004 Institution of Electrical Engineers
File	233: Internet & Personal	Comp. Abs. 1981-2003/Sep (c) 2003 EBSCO Pub.
File	94: JICST-EPlus	1985-2004/May W5 (c) 2004 Japan Science and Tech Corp(JST)
File	99: Wilson Appl. Sci & Tech	Abs 1983-2004/May (c) 2004 The HW Wilson Co.
File	95: TEME-Technology & Management	1989-2004/Jun W1 (c) 2004 FIZ TECHNIK
File	583: Gale Group Globalbase(TM)	1986-2002/Dec 13 (c) 2002 The Gale Group

*Non Patent  
Literature*

Set	Items	Description
S1	14603	VIRTUAL()MACHINE? OR JAVA (3N) (INTERPRETER? OR EVALUATOR? - OR SHELL? OR TRANSLATOR? OR CONVERT? OR ENVIRONMENT OR (RUN()- TIME OR RUNTIME) (ENGINE?) OR COMMON()INTERMEDIATE() LANGUAGE? OR MSIL OR VMWARE OR PYTHON
S2	948850	HEAP OR TEMPORARY()STORAGE OR GARBAGE()COLLECTION OR STORA- GE OR BUFFER? OR CACHE? OR MEMORY OR REPOSITORY? OR UMA
S3	6654152	TRANSACTION? OR ACTIVIT? OR EXECUTION? OR MESSAGE? OR DATA OR INFORMATION OR PACKET? OR (E OR ELECTRONIC) (MAIL OR EMAIL OR TEXT
S4	5997	ATOMIC (2N) S3
S5	3	VIRTUAL()HEAP
S6	0	STORE()HEAP
S7	4	MEMORY()HEAP
S8	1765	S1 AND S2 AND S3
S9	68	S1 AND S2 AND TRANSACTION?
S10	2	S1 AND S2 AND S4
S11	0	S1 AND S2 AND S5
S12	0	S1 AND S2 AND S7
S13	0	S9 AND S4
S14	10	S1 AND S4
S15	0	S1 AND S5
S16	0	S1 AND S7
S17	2	S8 AND S4
S18	0	S8 AND S5
S19	0	S8 AND S7
S20	85	S5 OR S7 OR S9 OR S10 OR S14 OR S17
S21	67	S20 NOT PY>2000
S22	67	S21 NOT PD>20000602
S23	56	RD (unique items)
S24	53	S1 AND HEAP AND S3
S25	0	S1 AND HEAP AND S4
S26	0	S1 AND HEAP AND TRANSACTION?
S27	0	S1 AND HEAP? AND TRANSACTION?
File	8: Ei	Compendex(R) 1970-2004/Jun W2 (c) 2004 Elsevier Eng. Info. Inc.
File	35:	Dissertation Abs Online 1861-2004/May (c) 2004 ProQuest Info&Learning
File	202:	Info. Sci. & Tech. Abs. 1966-2004/May 14 (c) 2004 EBSCO Publishing
File	65:	Inside Conferences 1993-2004/Jun W3 (c) 2004 BLDSC all rts. reserv.
File	2:	INSPEC 1969-2004/Jun W2 (c) 2004 Institution of Electrical Engineers
File	233:	Internet & Personal Comp. Abs. 1981-2003/Sep (c) 2003 EBSCO Pub.
File	94:	JICST-EPlus 1985-2004/May W5 (c) 2004 Japan Science and Tech Corp (JST)
File	99:	Wilson Appl. Sci & Tech Abs 1983-2004/May (c) 2004 The HW Wilson Co.
File	95:	TEME-Technology & Management 1989-2004/Jun W1 (c) 2004 FIZ TECHNIK
File	583:	Gale Group Globalbase(TM) 1986-2002/Dec 13 (c) 2002 The Gale Group

Set	Items	Description
S1	38073	VIRTUAL()MACHINE? OR JAVA (3N) (INTERPRETER? OR EVALUATOR? - OR SHELL? OR TRANSLATOR? OR CONVERT? OR ENVIRONMENT OR (RUN()- TIME OR RUNTIME) ()ENGINE?) OR COMMON()INTERMEDIATE()LANGUAGE? OR MSIL OR VMWARE OR PYTHON
S2	1619649	HEAP OR TEMPORARY()STORAGE OR GARBAGE()COLLECTION OR STORA- GE OR BUFFER? OR CACHE? OR MEMORY OR REPOSITORY? OR UMA
S3	15233736	TRANSACTION? OR ACTIVIT? OR EXECUTION? OR MESSAGE? OR DATA OR INFORMATION OR PACKET? OR (E OR ELECTRONIC)()MAIL OR EMAIL OR TEXT
S4	1216	ATOMIC (2N) S3
S5	3	VIRTUAL()HEAP
S6	5	STORE()HEAP
S7	61	MEMORY()HEAP
S8	1558	S1 (S) S2 (S) S3
S9	0	S1 (S) S2 (S) S4
S10	283	S1 (5N) S2 (5N) S3
S11	1	S1 (S) S4
S12	0	S1 (S) S5
S13	0	S1 (S) S6
S14	0	S1 (S) S7
S15	670	S1 (3N) S2
S16	227	S15 (S) S3
S17	0	VIRTUAL()MACHINE? (S) HEAP (S) TRANSACTION?
S18	177	S16 NOT PY>2000
S19	165	S18 NOT PD>20000602
S20	119	RD (unique items)

File 15:ABI/Inform(R) 1971-2004/Jun 24

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File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire

File 647:CMP Computer Fulltext 1988-2004/Jun W2

(c) 2004 CMP Media, LLC

File 275:Gale Group Computer DB(TM) 1983-2004/Jun 25

(c) 2004 The Gale Group

File 674:Computer News Fulltext 1989-2004/Jun W2

(c) 2004 IDG Communications

File 696:DIALOG Telecom. Newsletters 1995-2004/Jun 24

(c) 2004 The Dialog Corp.

File 621:Gale Group New Prod.Annou.(R) 1985-2004/Jun 25

(c) 2004 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2004/Jun 24

(c) 2004 The Gale Group

File 813:PR Newswire 1987-1999/Apr 30

(c) 1999 PR Newswire Association Inc

File 613:PR Newswire 1999-2004/Jun 25

(c) 2004 PR Newswire Association Inc

File 16:Gale Group PROMT(R) 1990-2004/Jun 25

(c) 2004 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group

File 553:Wilson Bus. Abs. FullText 1982-2004/Jun

(c) 2004 The HW Wilson Co